

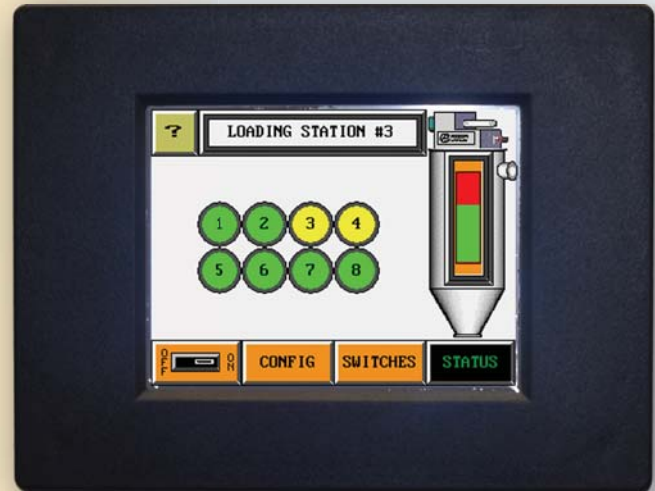
Material Handling

Complete In-Plant Conveying and Storage

Bulk storage and automatic conveying of raw materials in your plant reduces labor requirements and improves overall operating efficiency. Process Control offers a complete line of material handling systems from railcar unloading and bulk storage to vacuum and pressure conveying systems for in-plant distribution and resin drying systems. Our Project Engineers are experts in designing the best and most economical system to meet your needs.

Process Control's material handling equipment is specially designed for bulk conveying of plastic materials. Years of experience with plastic processors enable Process Control engineers to properly size conveying equipment for reliable, cost-effective loading of gravimetric or bulk systems. A complete line of equipment is available including pumps, receivers, controllers, bulk storage silos, day bins and hardware necessary for railcar unloading and integrated plant distribution systems. Compact, simple systems are available for lower throughput applications.

- ▶ Vacuum Power Units
- ▶ Director™ Panel
- ▶ Vacuum Receivers
- ▶ Self Loaders
- ▶ Additive Feeders
- ▶ Dust Collectors
- ▶ Surge Hoppers
- ▶ And More!

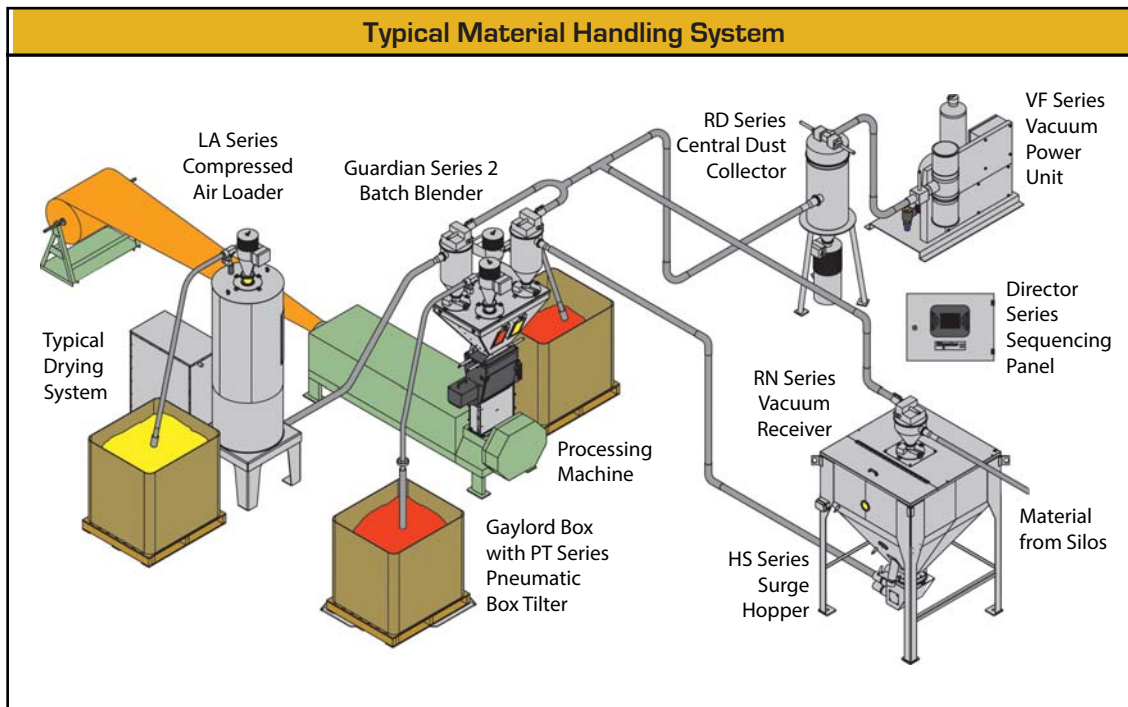


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Material Handling Systems



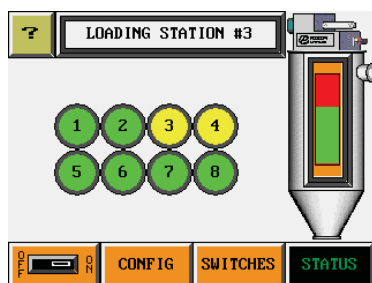
Moving Materials Quickly and Efficiently

Our line of storage equipment includes welded and bolted silos, indoor day tanks, machine mounted surge hoppers, and pneumatic tilter tables for gaylord boxes.

A typical in-plant vacuum conveying system consists of a vacuum power unit, central dust collector, a Director sequencing control panel and vacuum receivers at each material usage point. The loading of each receiver is initiated and controlled by the Director panel.

A typical railcar unloading system consists of railcar attachment hardware and a Vacuum/Pressure pump. The system is designed to vacuum the material out of a railcar compartment into a transfer station which delivers the material to the pressure part of the system for conveying to a silo or other in-plant destination.

DIRECTOR Sequencing Panel



Color Display

DIRECTOR Series Sequencing Panel. The Director Sequencing Panel is an easy-to-use touch screen panel that allows operators the ability to control and monitor all aspects of a central vacuum loading system. The sequencing panel controls the central vacuum pump and vacuum receivers. It can also control a central dust collector and a pump continuous run valve. There is an optional variable speed drive for the vacuum or pressure pump.

All information and operating controls of the Director Panel are located on a touch screen interface. The touch screen interface allows the user to activate, adjust and monitor loading and system information on the panel.

Vacuum Pumps



VF Series Vacuum Pump. The VF Series is our most popular line of vacuum power unit, offering dependable and economical performance for a wide variety of conveying rates, distances and materials. Typical applications include in-plant distribution systems and machine/blender loading. The VF uses a V-belt driven displacement blower, and includes an inlet filter, outlet silencer, and relief valve. An optional continuous run valve can be included to reduce pump cycling.

Sizes Include:

3HP, 5HP, 7HP, 10HP with or without sound enclosure, and 15HP, 20HP, 25HP, 30HP, with or without sound dampening kit.



VB Series Vacuum Pump. The VB Series from Process Control is designed for low to moderate rate conveying and quiet, low-maintenance performance. The VB uses a regenerative ring compressor style blower with integral motor, and includes an inlet filter and relief valve. As part of an integrated material handling system, the VB Series can improve the efficiency of your plastics processing.

Sizes Include:

3.0HP, 6.2HP, 7.5HP

Vacuum Receivers



RN Series Vacuum Receiver. The RN Series vacuum receiver, for loading pellets and some regrinds, is designed to be mounted at any point where resin delivery is needed. A slide-out screen prevents material carryover back to the vacuum pump and is easily removed for cleaning. The standard solenoid activated sequencing valve in the lid receives a signal to open for loading the receiver. After the receiver is filled, the valve closes and the material is immediately dumped or held for future use.

Working Capacities:

.07, .20, .40, .54, .65, 1.44, 2.58, 3.14 ft³ (Flapper, Swing, or Knife Gate Valve Discharge)



RP Series Vacuum Receiver for Dusty Materials. The RP Series vacuum receiver, for loading dusty regrind and free flowing powders, includes internal filter bags to prevent material carryover back to the vacuum pump. The RP has the same loading procedure as the RN, but a second sequencing valve is included in the receiver lid for filter cleaning by a back flush sequence using the vacuum air through the receiver. No external compressed air is needed for cleaning.

Working Capacities:

.40, .54, .88, 1.44, 2.58, 3.14 ft³ (Flapper, Swing, or Knife Gate Valve Discharge)

Accessories



Surge
Hopper



Compressed
Air Loader



Pneumatic
Tilter



Additive
Feeder

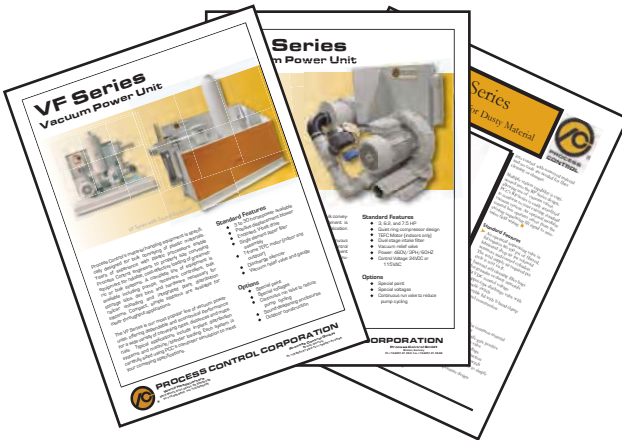


Dust
Collector



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For detailed product information, including specs and dimensions, please request a PCC cut sheet:



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